

Srivathsan S

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EDUCATION

Trinity College, Dublin, Dublin, Ireland

Sep 2023 - Expected: Aug 2024

Masters in Physics - Quantum Technologies

Coursework: Introduction to Quantum Information Science, Open Quantum Systems, Quantum Materials and Nanophotonics, Quantum Computation and Algorithms, Physical Implementations of Quantum Technology

SASTRA University, Thanjavur, Tamilnadu, India

Jul 2016 - May 2020

Bachelor of Technology - Information and Communication Technology

Coursework: Data Structures and Algorithms, Machine Learning, Artificial Intelligence, Cryptography, Theory of Computation, Data Mining, DBMS, Operating Systems, Networking.

EXPERIENCE

Tata Consultancy Services

Chennai, India

Systems Engineer

Nov 2020 - Jul 2023

Develop, Maintain and Upgrade legacy systems of client Kemper Insurance in BFSI Domain in the Unix and PL/SQL tech stack. Spear-headed and Initiated many projects to alleviate technology bottleneck by gaining the Contextual Master level in the domain.

Freezon Labs

Chennai, India

Full Stack Developer

Jul 2020 - Oct 2020

Design and develop as part of a 2-man team an Invoice Processing Machine Learning pipeline in React and Flask called Finvoice. The Machine learning algorithm detected tables and text and classified it based on context which can be viewed in specially designed dashboard.

Tata Consultancy Services

Chennai, India

Developer Intern

Jan 2020 - Apr 2020

Worked on developing a mobile application in Flutter Framework as part of a software suite. Also analysed on different ways of Unit and Integration testing a Flutter app and deployment to a CI/CD pipeline.

Poornaprajna Institute of Scientific Research

Bengaluru, India

Student Intern

May 2019 - Jun 2019

Attended lectures by Prof. R.Srikant on Mathematical methods of Physics such as Vector Spaces, Partial Differential Equations; Fourier and Laplace transforms, Lagrangian and Hamiltonian Interpretations, Solving Schrodinger's Equation for various scenarios.

Synergita Systems

Chennai, India

Developer Intern

Nov 2018 - Dec 2018

Learnt and researched the various methods of analysing data in Natural Language Processing. Designed and Implemented a program to automatically categorise company support tickets into various departments using LDA and Guided LDA.

PROJECTS

iGEM 2019

https://2019.igem.org/Team:SASTRA_Thanjavur

Part of the college team that won Silver Medal in iGEM 2019, Boston. Developed the Project Website and Machine Learning Classifier for identifying optimal toehold switch design based on physical parameters towards detection of Cervical Cancer Markers.

SASTRA Mess App

<https://yumsastra.vathzen.in>

Developed a Mobile App for ordering food in College Mess. Full stack development of the app includes a Golang backend, Postgres Database and Ionic Frontend.

National Disaster Management App

Developed Backend for a Mobile Application as part of SASTRA University team for the Govt. of Tamilnadu for the use of Thanjavur City. App was used by the people report and restore city infrastructure after frequent cyclones.

SKILLS

- **Relevant Coursework:** List of relevant courses you have taken.
- **Programming:** List of programming languages you are proficient in.
- **Software:** List of software you are proficient in.
- **Communication:** List of communication skills you possess.